Performance Data Sheet

AJA2419ZXD

General Information

Model	AJA2419ZXD	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	1110	890	697	525	366	215	65.3
	Watts	366	349	333	313	288	254	208
	Amps	1.94	1.95	1.94	1.91	1.83	1.70	1.50
	Lb/h	17.7	15.6	13.6	11.5	9.06	6.10	2.39
-35	Btu/h	1380	1140	924	730	550	377	204
	Watts	403	389	376	361	340	311	271
	Amps	2.02	2.03	2.03	2.01	1.96	1.86	1.69
	Lb/h	22.5	20.1	18.0	15.7	13.2	10.2	6.55
-30	Btu/h	1680	1420	1180	963	757	557	358
	Watts	442	431	421	410	394	370	335
	Amps	2.15	2.15	2.16	2.16	2.12	2.05	1.91
	Lb/h	28.0	25.4	23.0	20.6	18.0	15.0	11.4
-25	Btu/h	2030	1740	1470	1220	988	758	528
	Watts	482	474	467	460	448	430	401
	Amps	2.31	2.31	2.33	2.33	2.32	2.27	2.16
	Lb/h	34.2	31.3	28.7	26.2	23.5	20.5	16.8
-20	Btu/h	2420	2100	1800	1520	1250	981	716
	Watts	523	517	514	510	504	490	467
	Amps	2.50	2.50	2.52	2.53	2.54	2.51	2.44
	Lb/h	41.2	38.0	35.2	32.5	29.7	26.6	23.0
-15	Btu/h	2850	2490	2160	1840	1530	1230	924
	Watts	564	561	561	561	559	551	534
	Amps	2.71	2.70	2.72	2.75	2.77	2.76	2.72
	Lb/h	49.0	45.5	42.4	39.6	36.7	33.5	29.9
-10	Btu/h	3330	2930	2560	2190	1840	1500	1150
	Watts	604	604	608	613	615	612	601
	Amps	2.93	2.92	2.93	2.97	3.00	3.02	3.00
	Lb/h	57.5	53.8	50.5	47.4	44.4	41.2	37.6
-5	Btu/h	3860	3410	2990	2590	2190	1800	1400
	Watts	645	647	655	663	670	673	668
	Amps	3.15	3.13	3.15	3.19	3.23	3.27	3.28
	Lb/h	66.9	62.9	59.3	56.1	53.0	49.8	46.2

0	Btu/h	4430	3940	3470	3010	2570	2120	1680
	Watts	684	690	700	713	725	733	734
	Amps	3.36	3.34	3.35	3.40	3.45	3.50	3.54
	Lb/h	77.2	72.9	69.1	65.7	62.4	59.1	55.5
5	Btu/h	5060	4510	3990	3480	2980	2480	1980
	Watts	722	731	745	762	779	792	799
	Amps	3.57	3.53	3.54	3.59	3.65	3.72	3.78
	Lb/h	88.5	83.8	79.8	76.2	72.8	69.4	65.8
10	Btu/h	5740	5130	4550	3980	3430	2870	2310
	Watts	759	770	788	810	831	850	863
	Amps	3.75	3.69	3.70	3.75	3.82	3.91	3.99
	Lb/h	101	95.7	91.4	87.6	84.1	80.6	77.0

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	9.937958E+03	1.189884E+03	7.039397E+00	1.594053E+02
C2	1.968057E+02	7.430559E+00	1.063879E-01	3.077534E+00
C3	-9.363929E+01	-1.611404E+01	-1.029931E-01	-1.811629E+00
C4	1.655120E+00	-2.965598E-02	-4.771704E-05	1.945506E-02
C5	-9.167985E-01	-4.421788E-02	-1.344170E-03	-1.636848E-02
C6	3.945464E-01	1.631146E-01	9.214440E-04	1.269845E-02
C7	2.055552E-03	-4.886156E-04	-1.112639E-05	4.857282E-05
C8	-8.157811E-03	7.080827E-05	-2.935962E-06	-1.189571E-05
C9	-5.551048E-04	6.063738E-04	6.745340E-06	6.004371E-05
C10	-1.050527E-03	-5.091783E-04	-2.602977E-06	-3.612394E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature